

Fig.1A

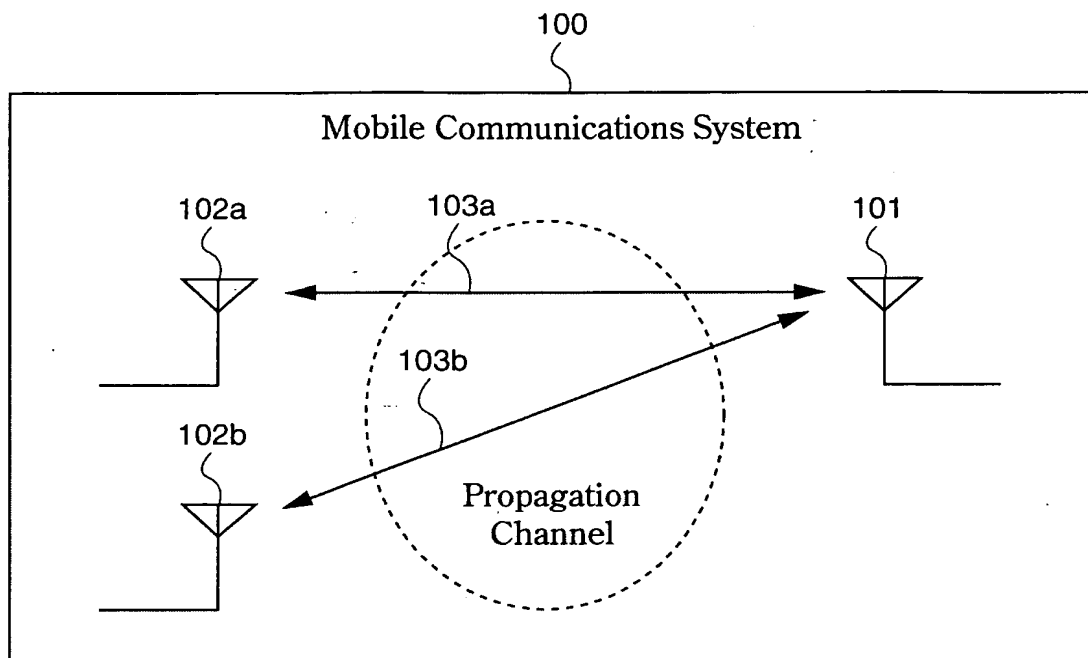


Fig.1B

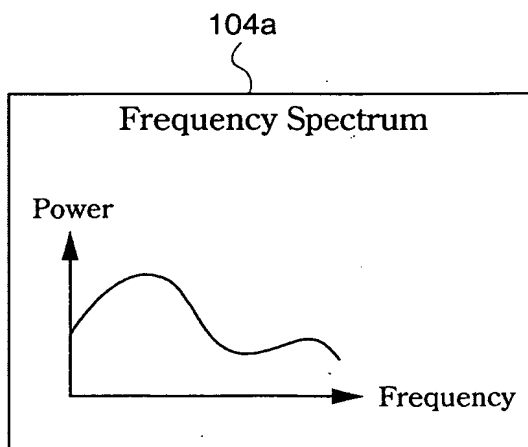


Fig.1C

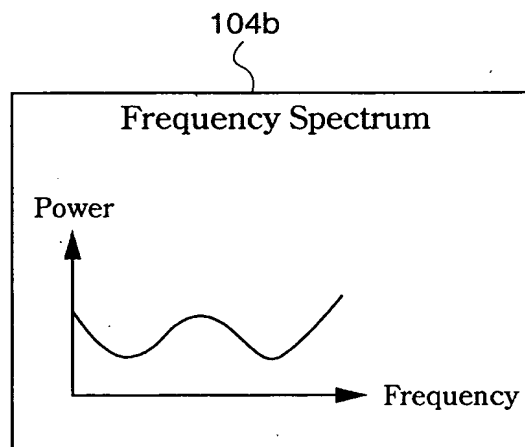


Fig.2A

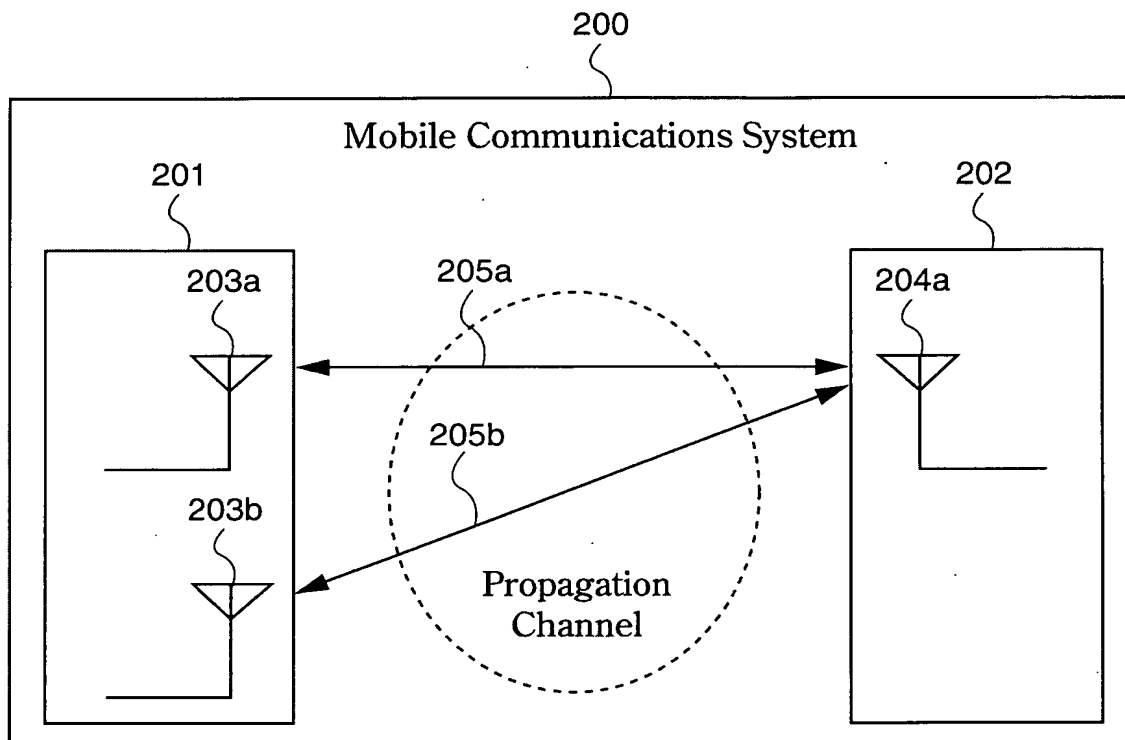


Fig.2B

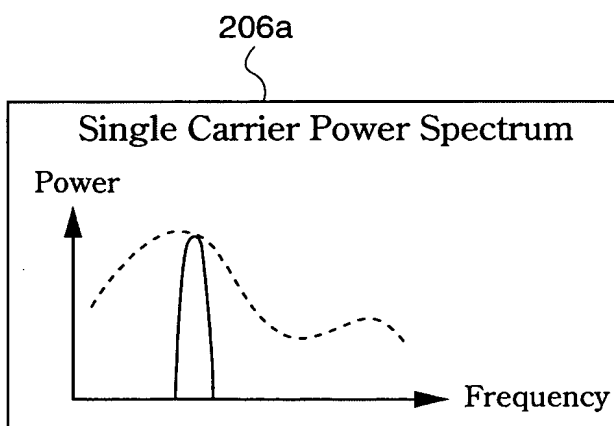


Fig.2C

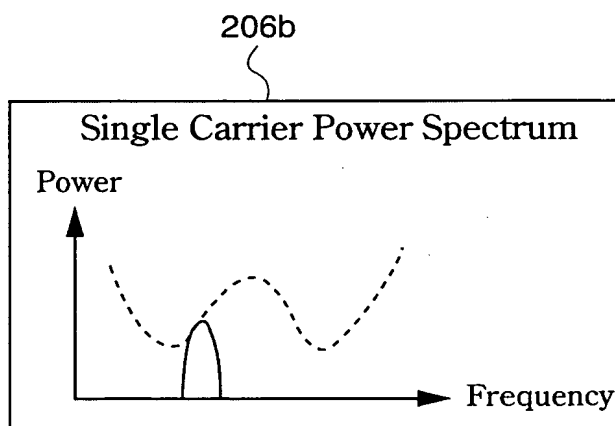


Fig.3

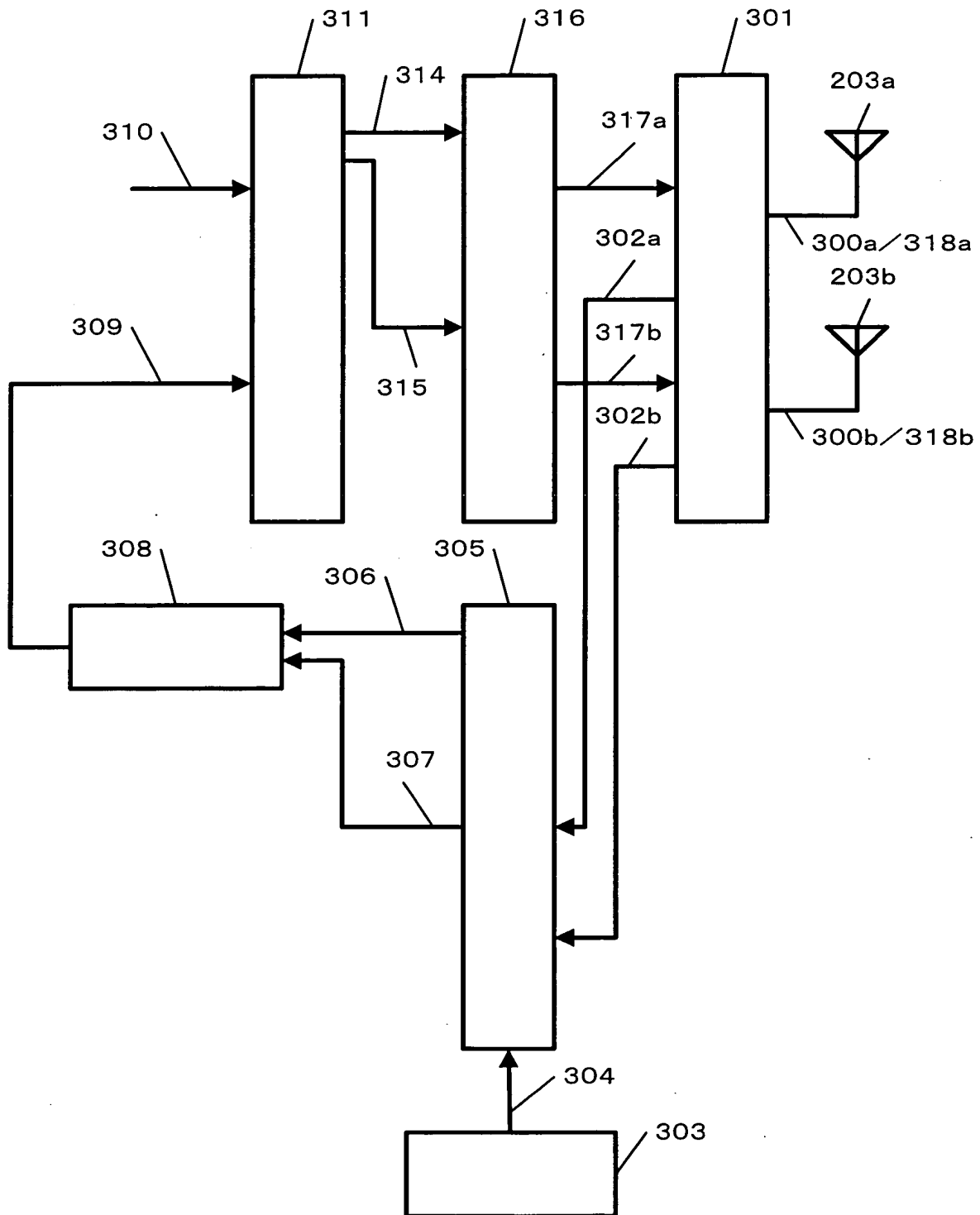


Fig.4

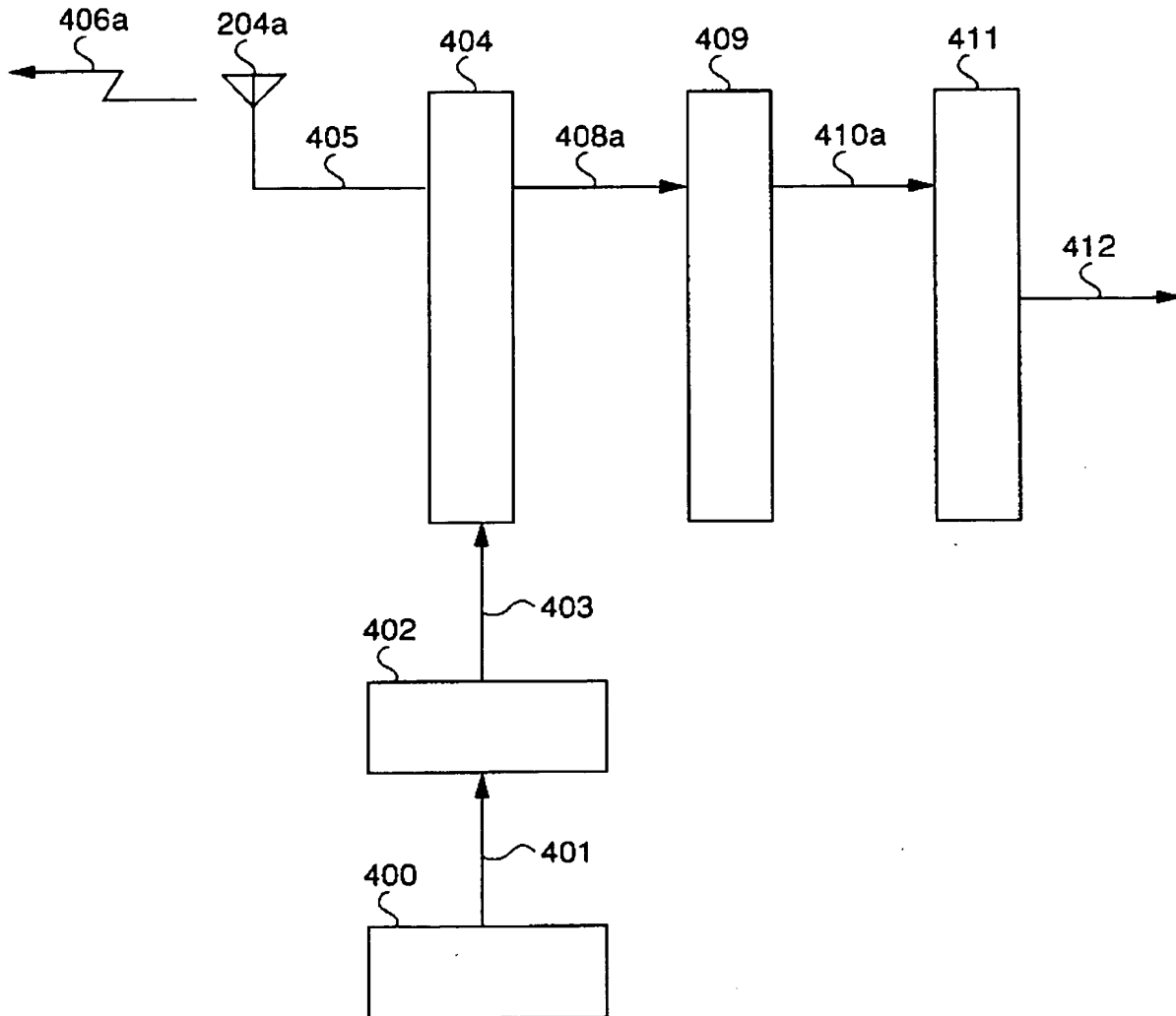


Fig.5

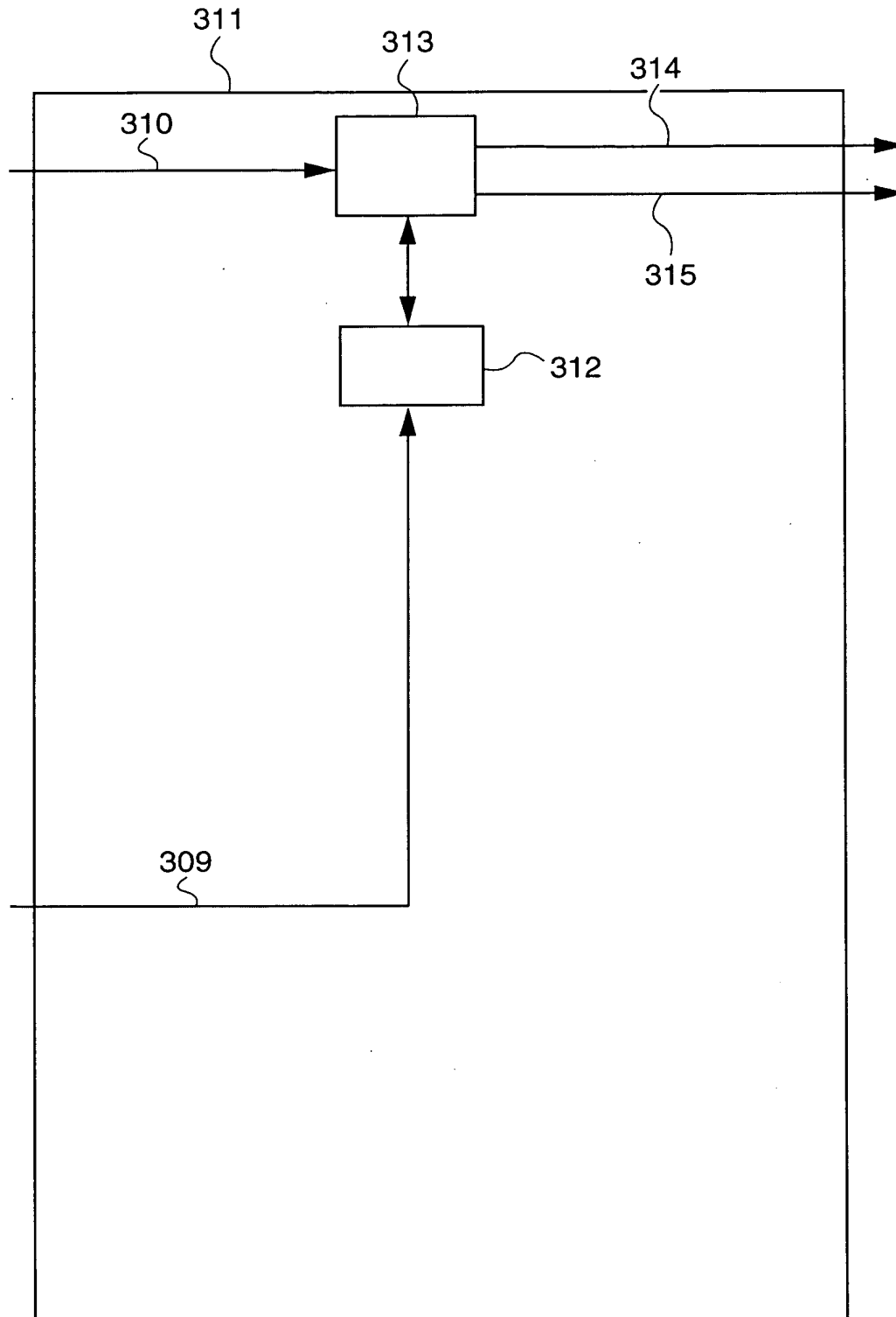


Fig.6A

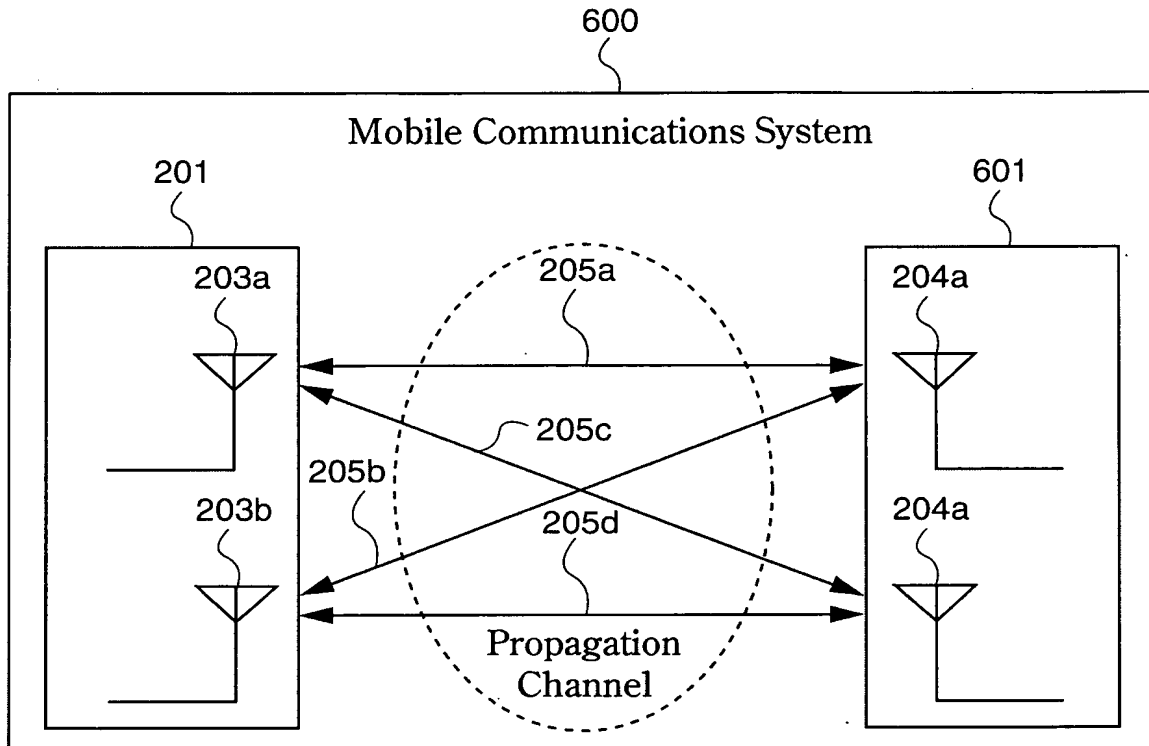


Fig.6B

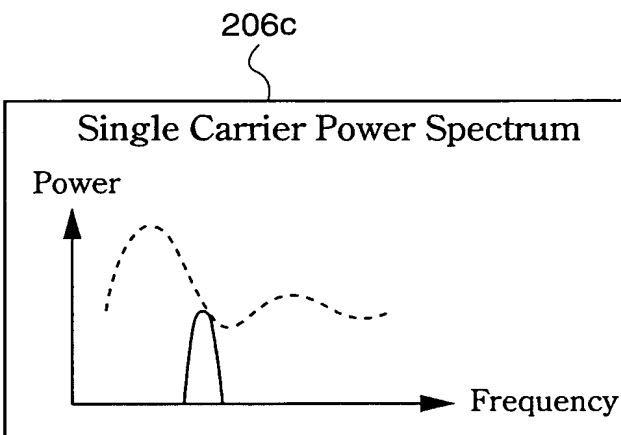


Fig.6C

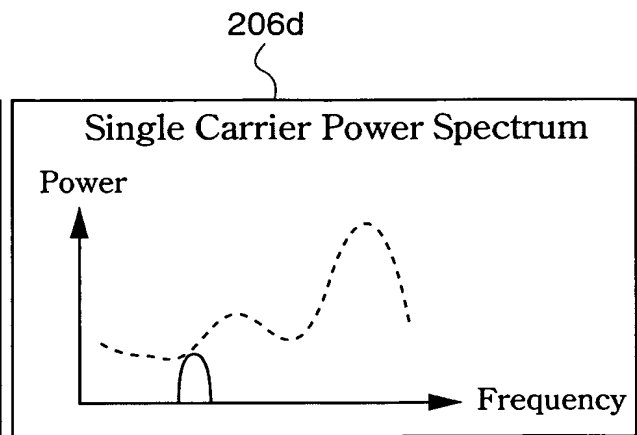


Fig.7

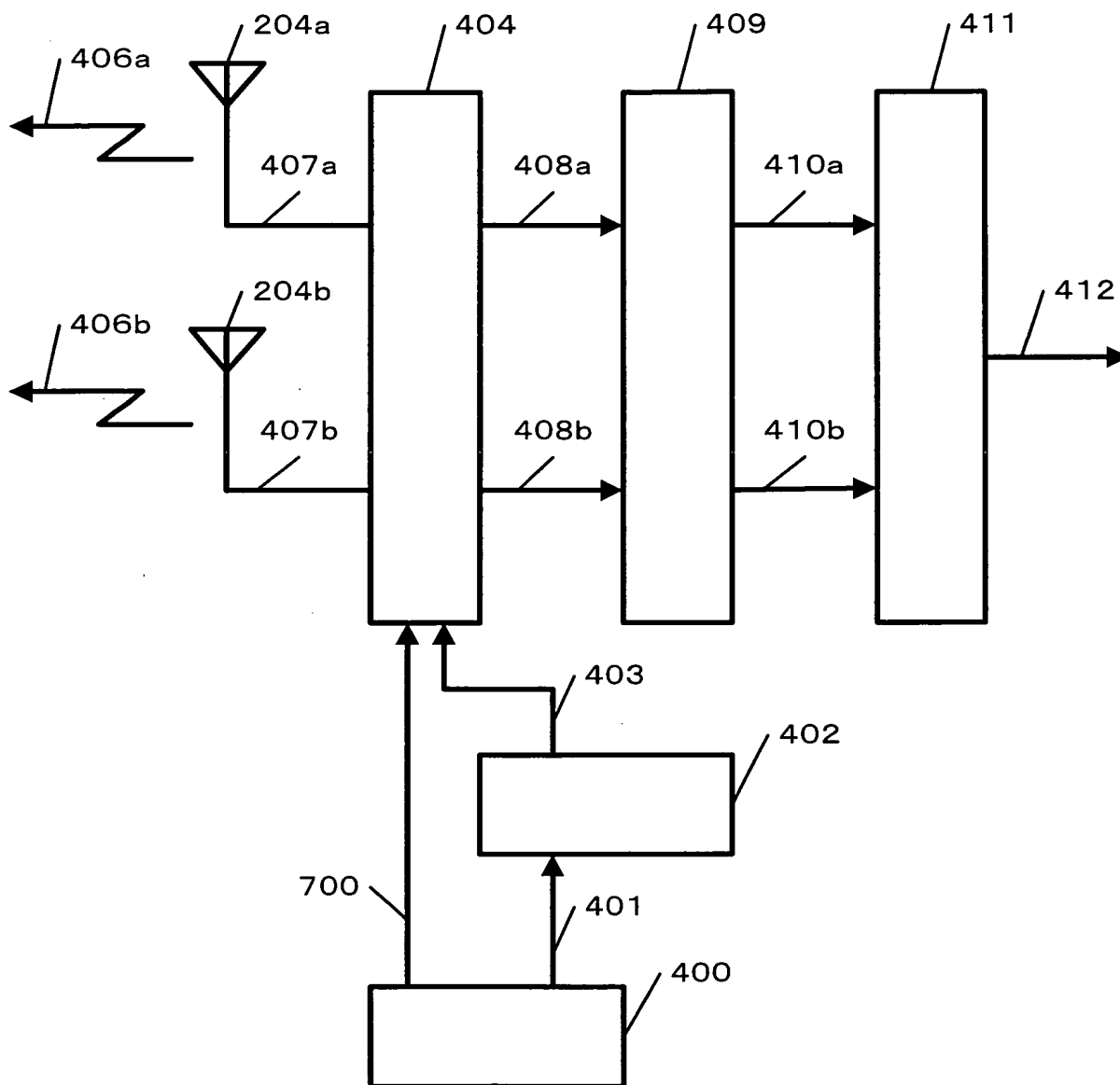
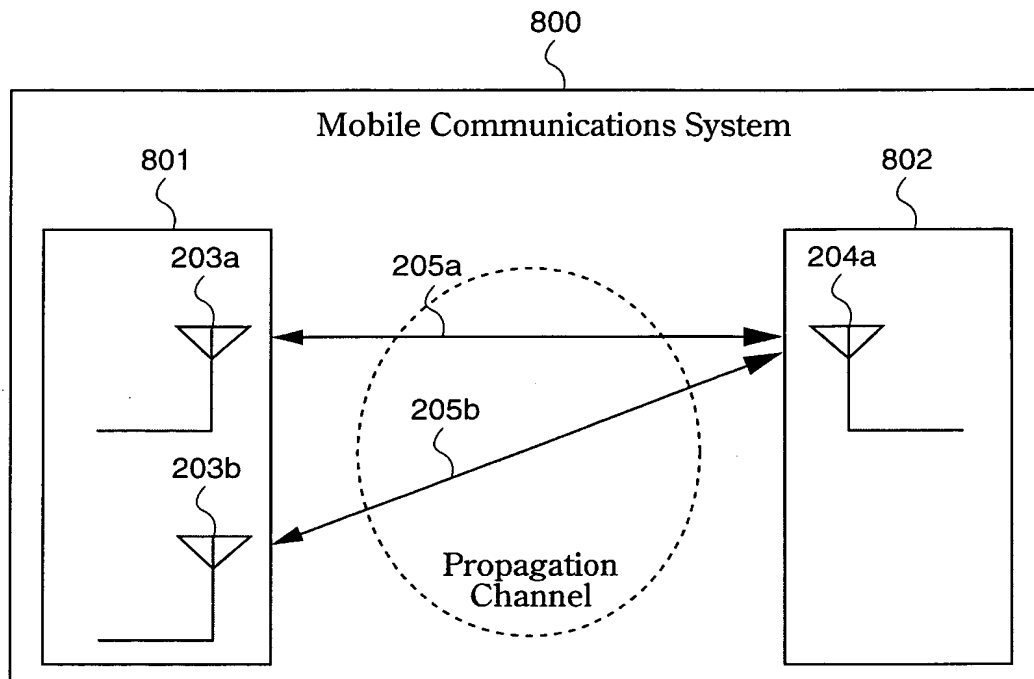


Fig.8A



Sub-carrier Elements

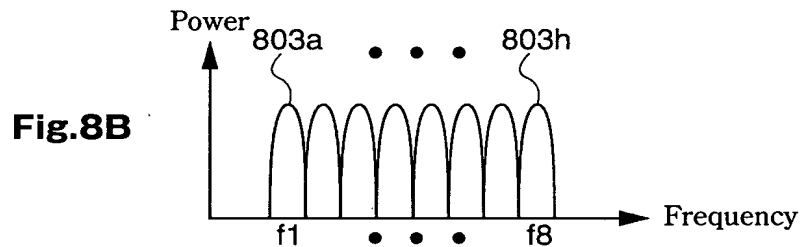


Fig.8C

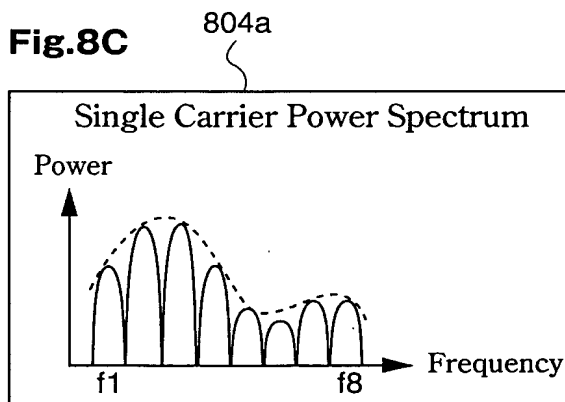


Fig.8D

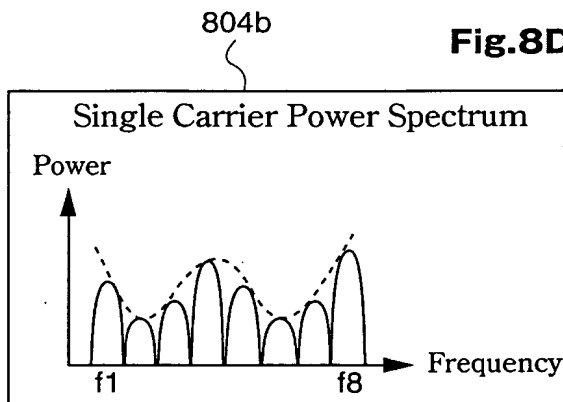


Fig.9

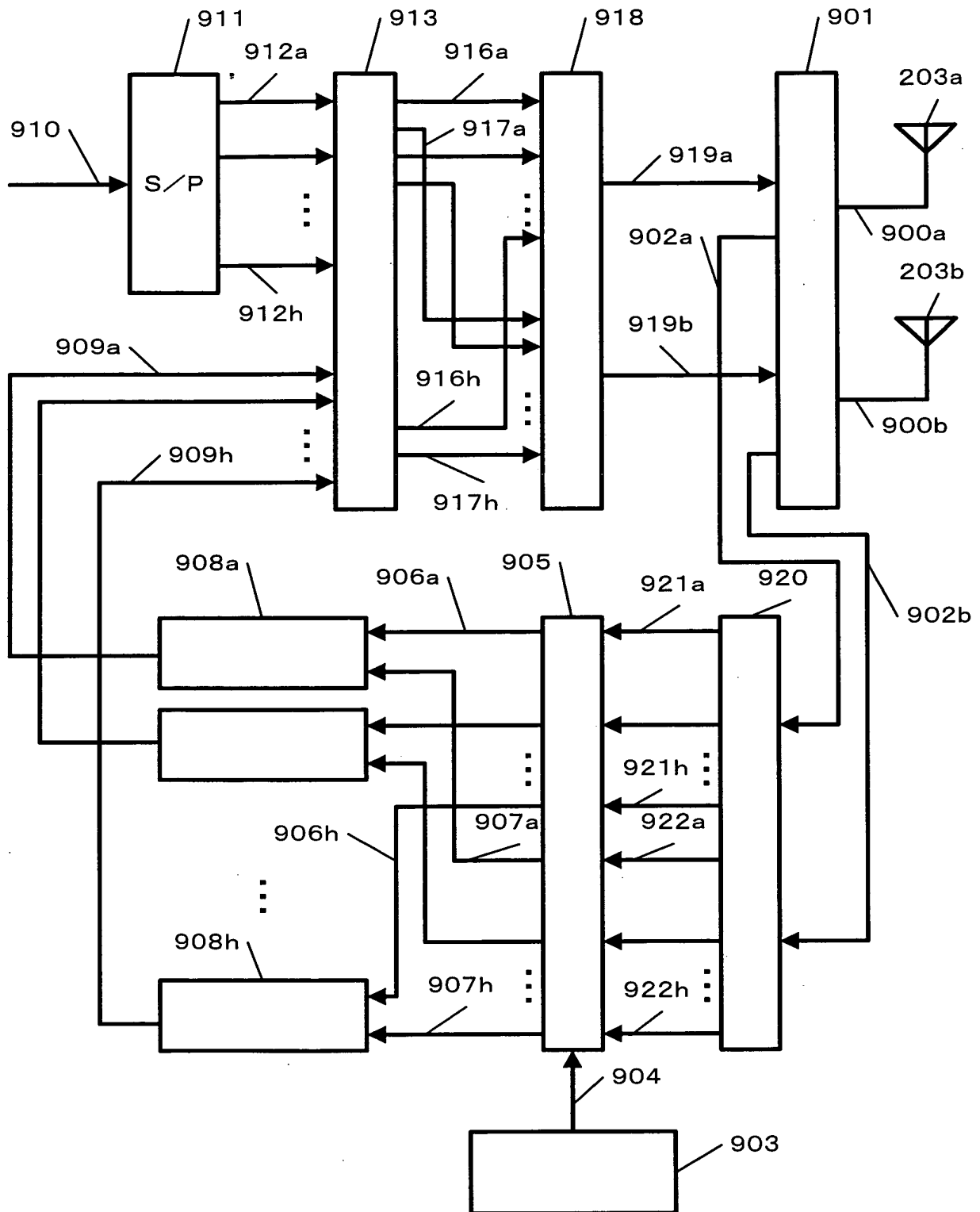


Fig. 10

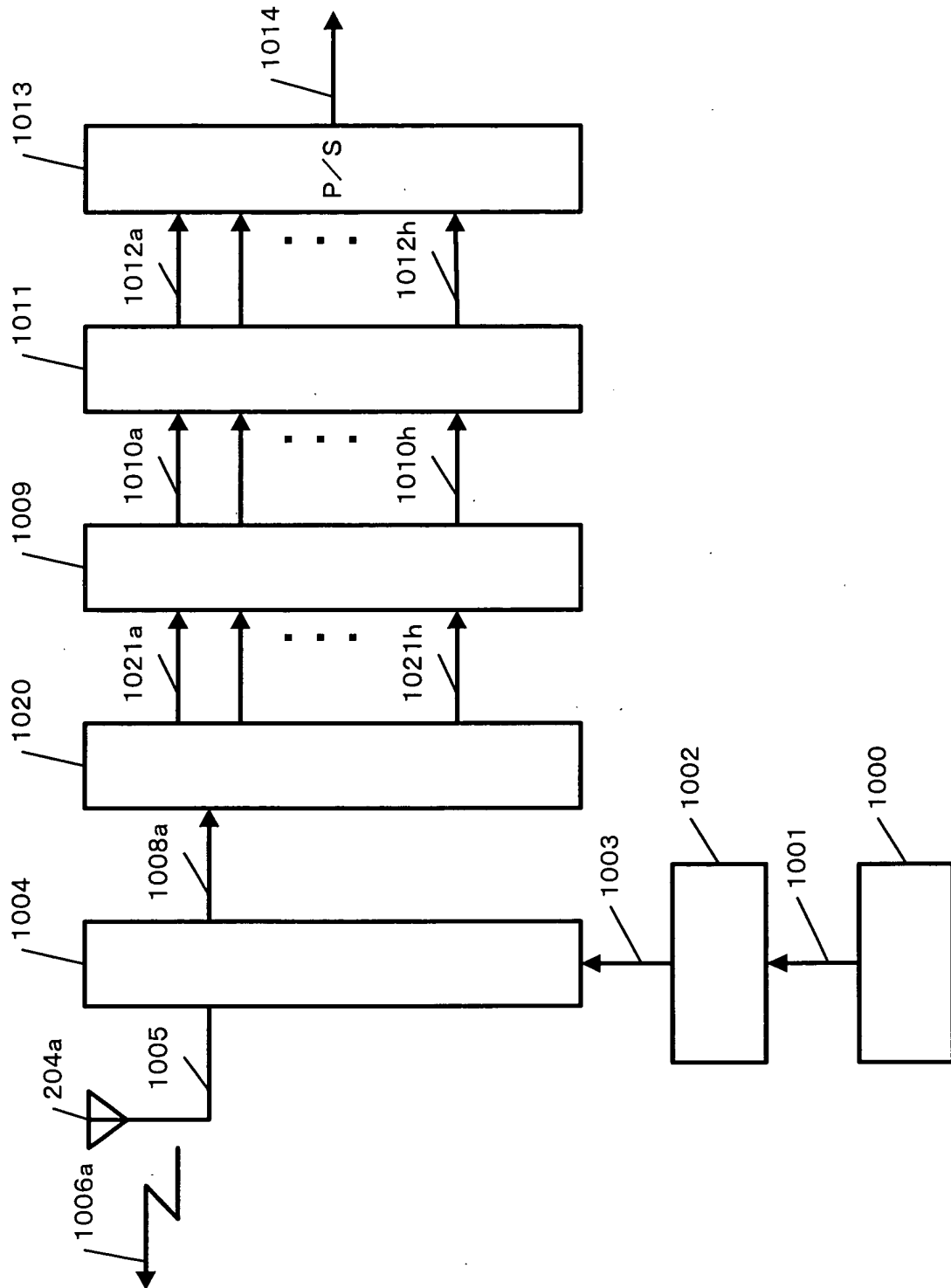


Fig.11

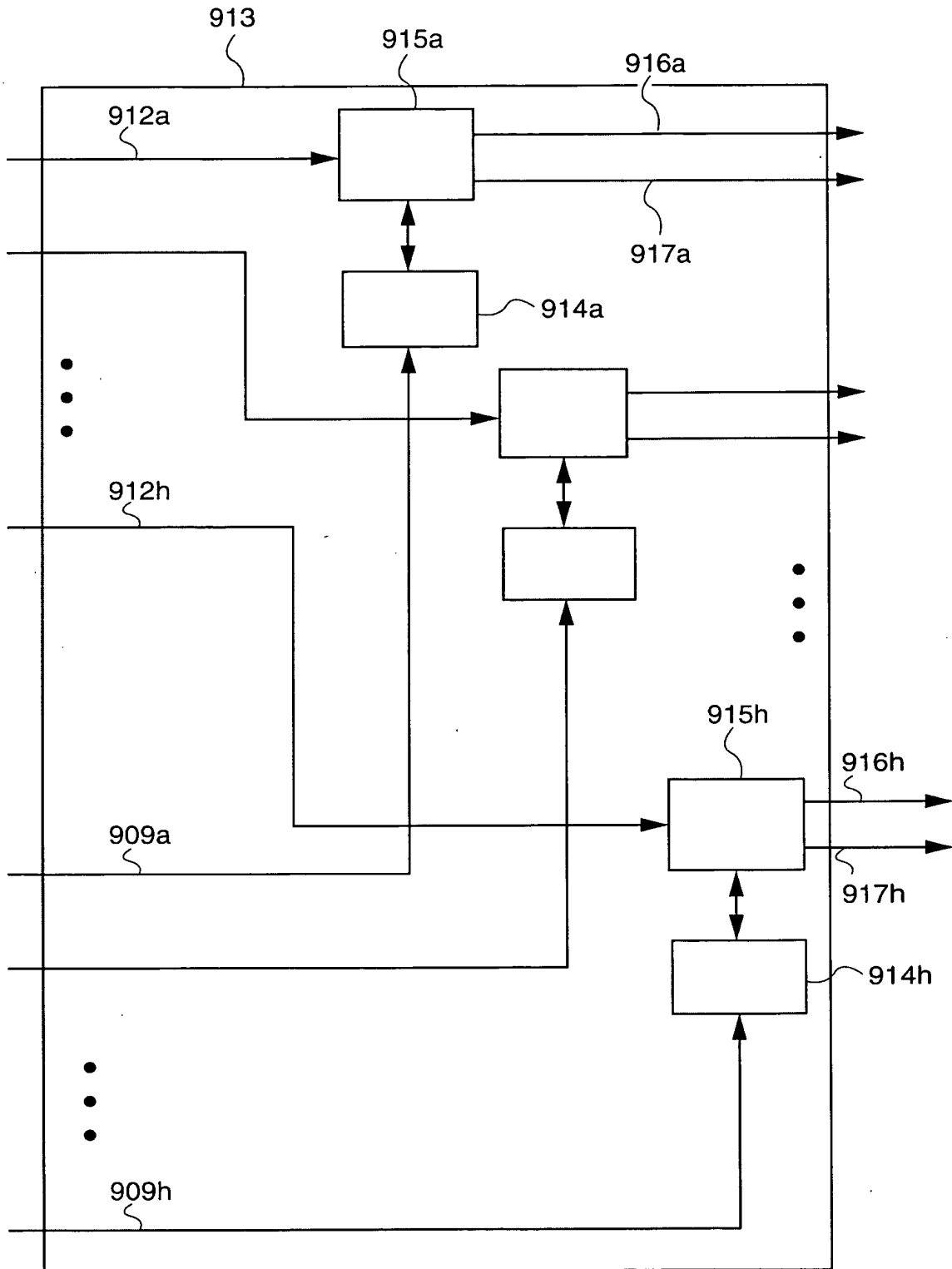


Fig.12A

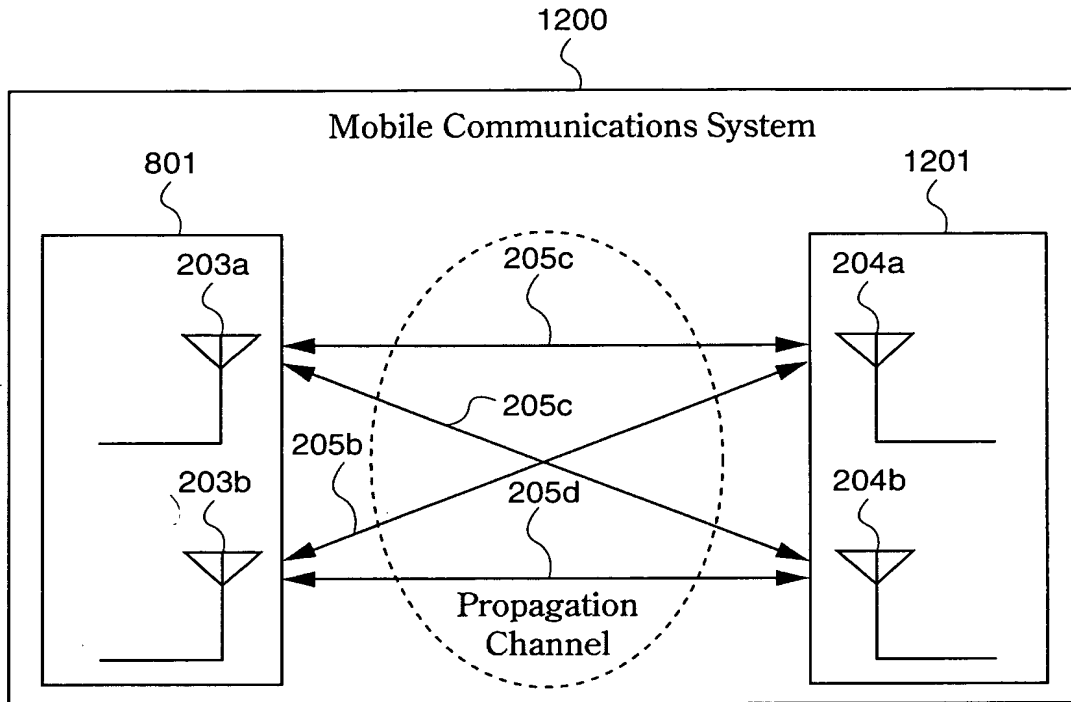


Fig.12B

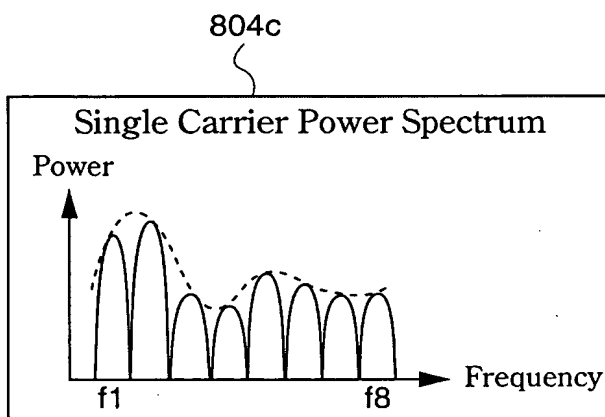


Fig.12c

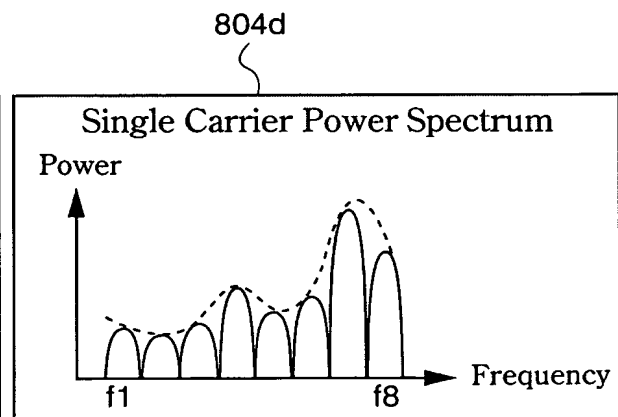


Fig. 13

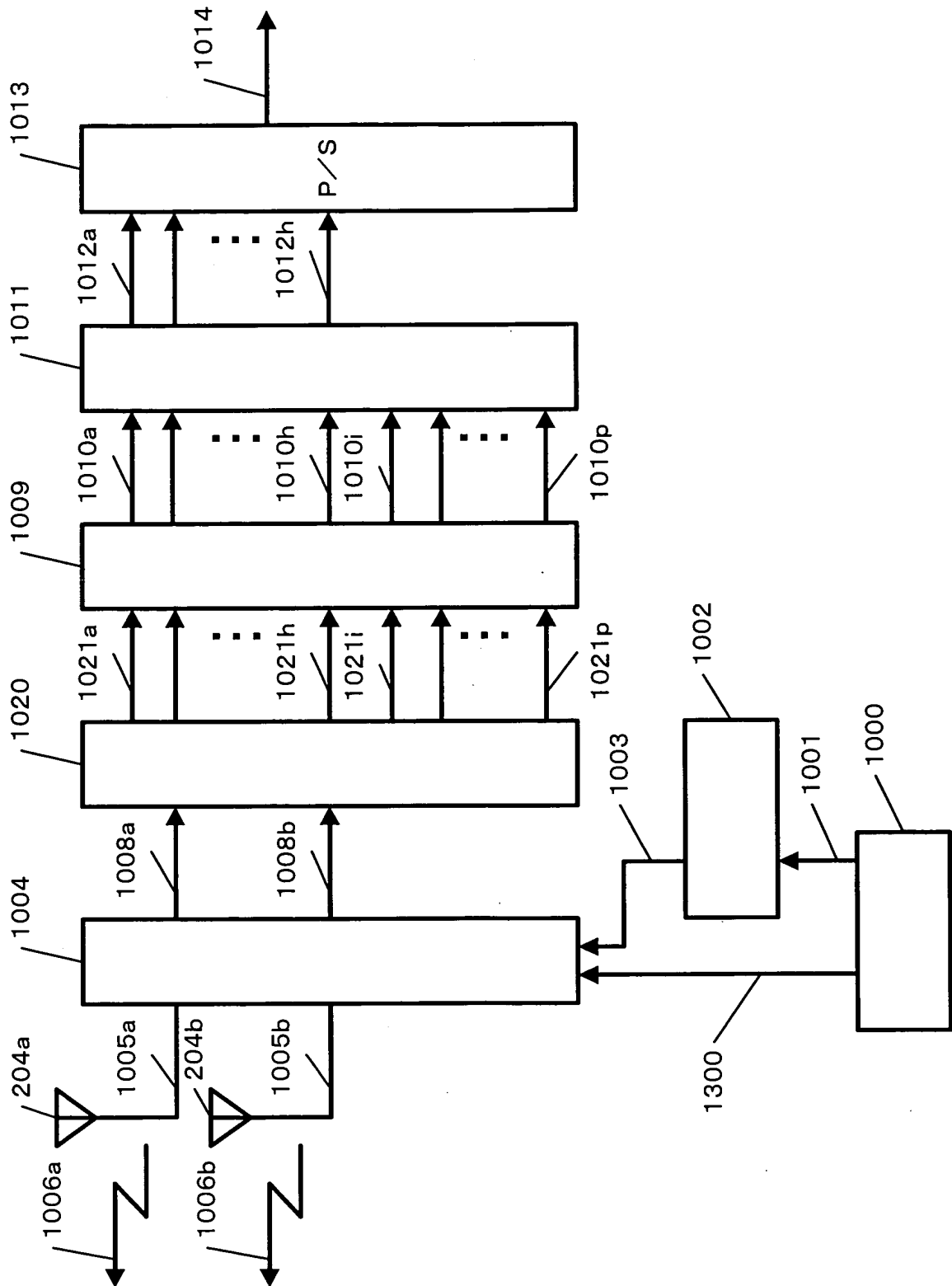


Fig. 14

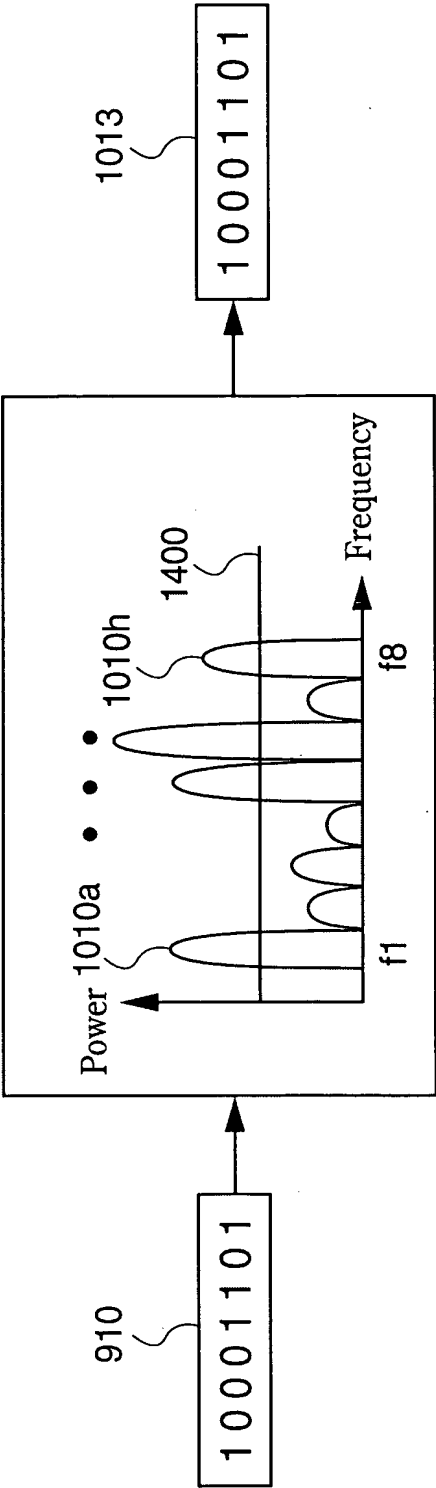


Fig.15

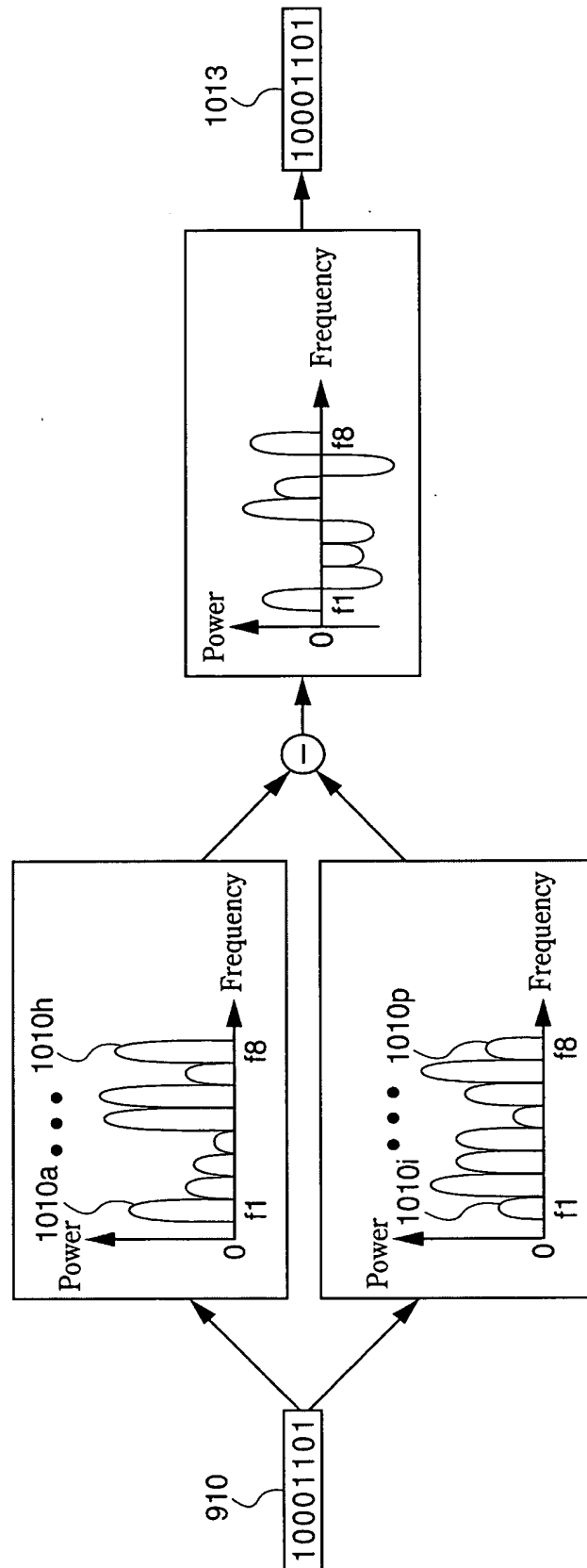


Fig.16

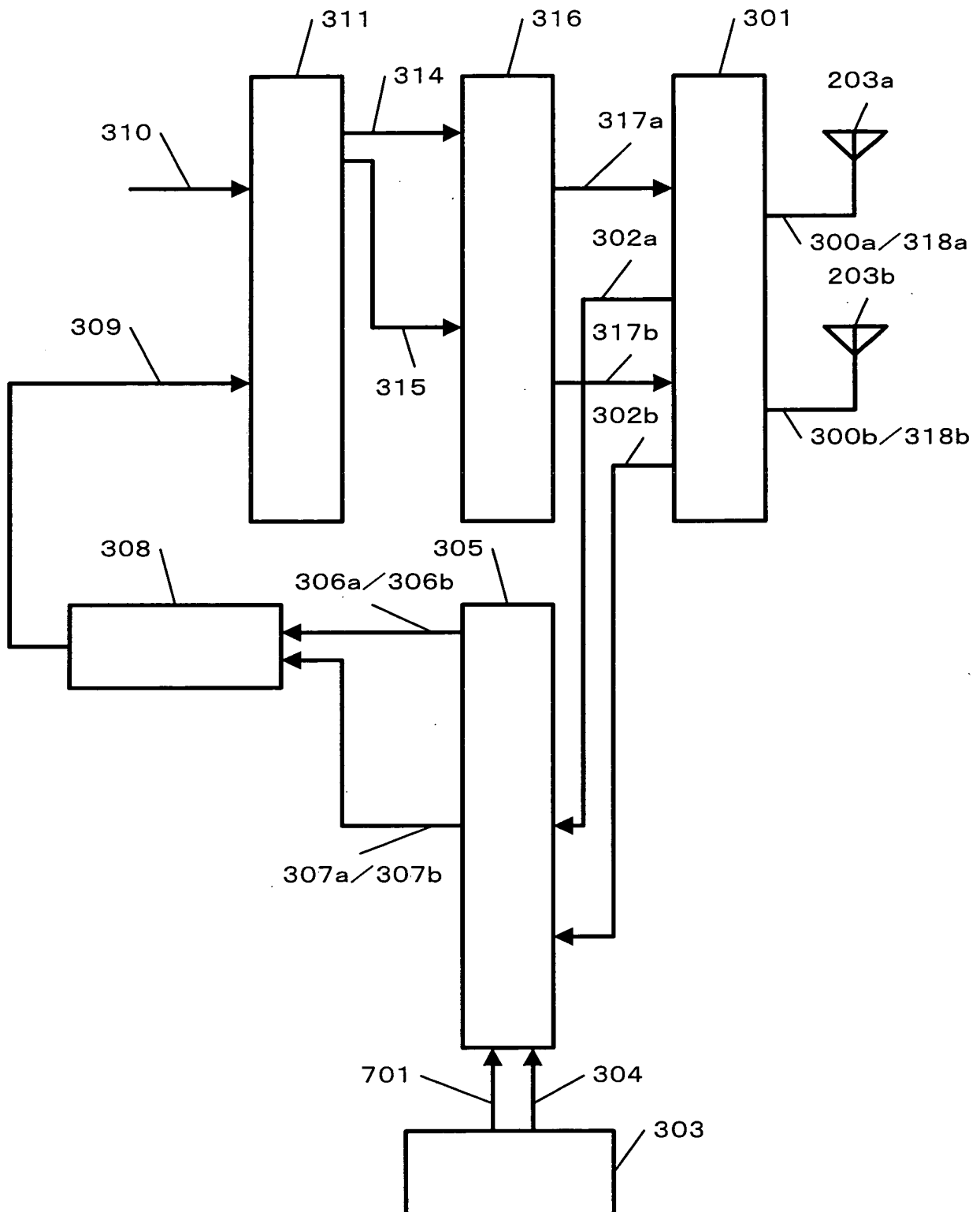


Fig.17

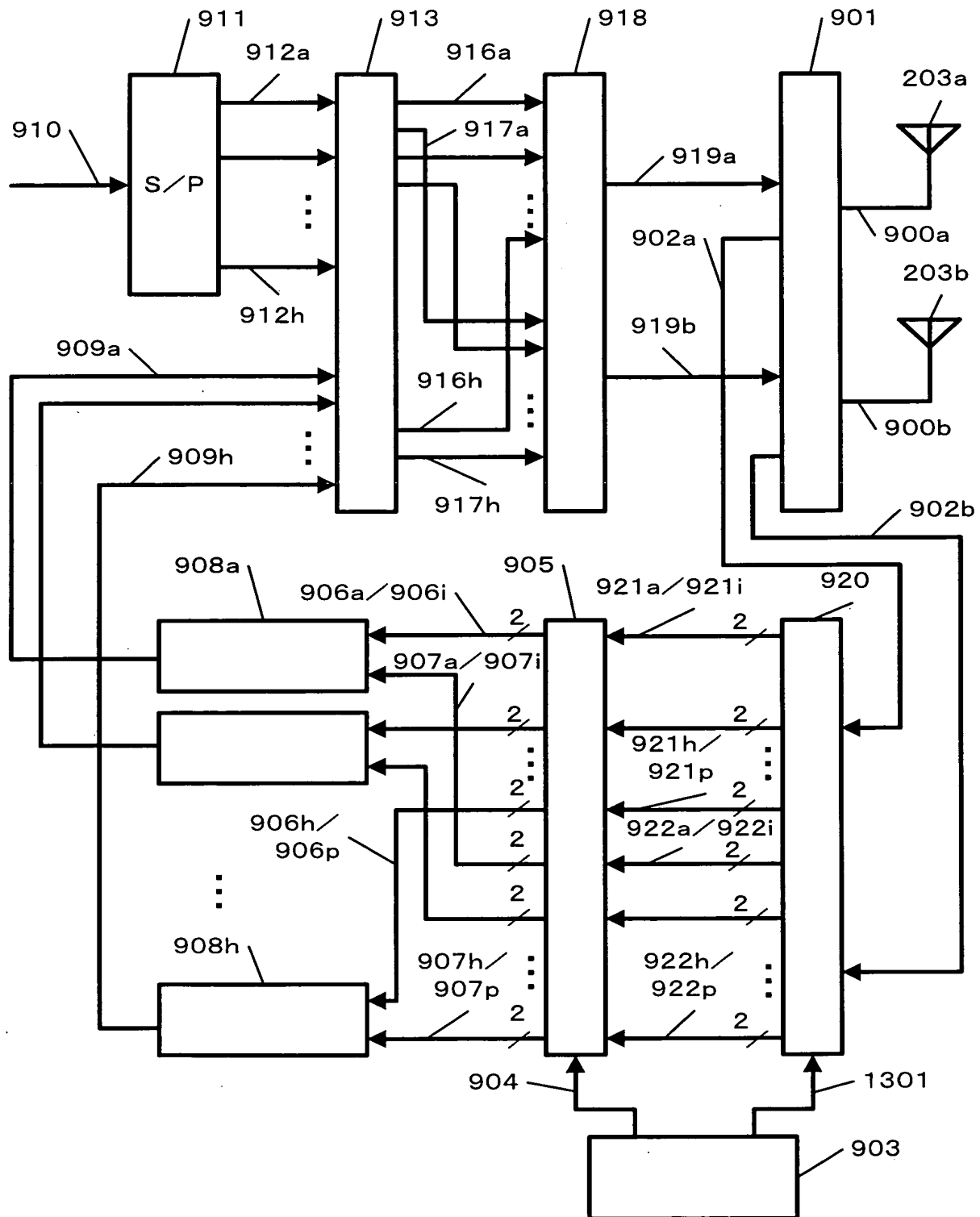


Fig. 18A

Information to be Transmitted	Transmission Symbol Vector	
1	$\mathbf{V} \cdot \begin{bmatrix} 1 \\ 0 \end{bmatrix}$	$\mathbf{V} \cdot \begin{bmatrix} 1 \\ 1 \end{bmatrix}$
0	$\mathbf{V} \cdot \begin{bmatrix} 0 \\ 1 \end{bmatrix}$	$\mathbf{V} \cdot \begin{bmatrix} 0 \\ 0 \end{bmatrix}$

Fig. 18B

Information to be Transmitted	Transmission Symbol Vector			
1	$\mathbf{V} \cdot \begin{bmatrix} 1 \\ 0 \\ 0 \end{bmatrix}$	$\mathbf{V} \cdot \begin{bmatrix} 1 \\ 1 \\ 0 \end{bmatrix}$	$\mathbf{V} \cdot \begin{bmatrix} 1 \\ 0 \\ 1 \end{bmatrix}$	$\mathbf{V} \cdot \begin{bmatrix} 1 \\ 1 \\ 1 \end{bmatrix}$
0	$\mathbf{V} \cdot \begin{bmatrix} 0 \\ 1 \\ 1 \end{bmatrix}$	$\mathbf{V} \cdot \begin{bmatrix} 0 \\ 0 \\ 1 \end{bmatrix}$	$\mathbf{V} \cdot \begin{bmatrix} 0 \\ 1 \\ 0 \end{bmatrix}$	$\mathbf{V} \cdot \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix}$

Fig. 19

Information to be Transmitted	Transmission Symbol Vector
10	$\mathbf{H}^+ \cdot \begin{bmatrix} 1 \\ 0 \end{bmatrix}$
01	$\mathbf{H}^+ \cdot \begin{bmatrix} 0 \\ 1 \end{bmatrix}$
11	$\mathbf{H}^+ \cdot \begin{bmatrix} 1 \\ 1 \end{bmatrix}$
00	$\mathbf{H}^+ \cdot \begin{bmatrix} 0 \\ 0 \end{bmatrix}$

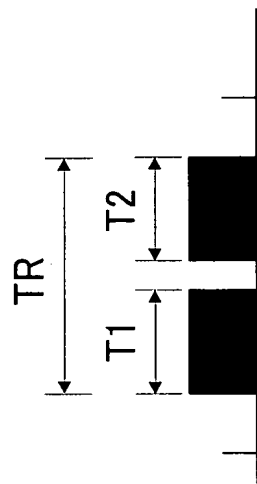


Fig. 20A

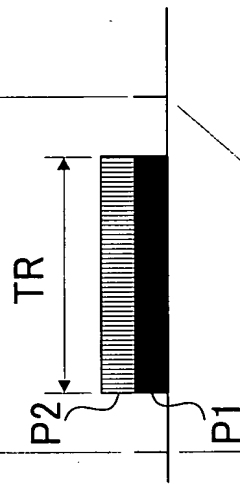


Fig. 20B

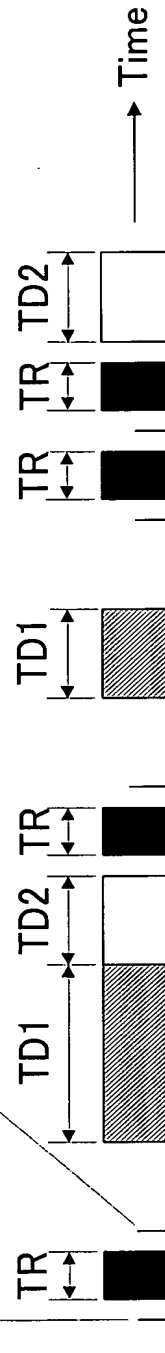


Fig. 20C

Fig. 21

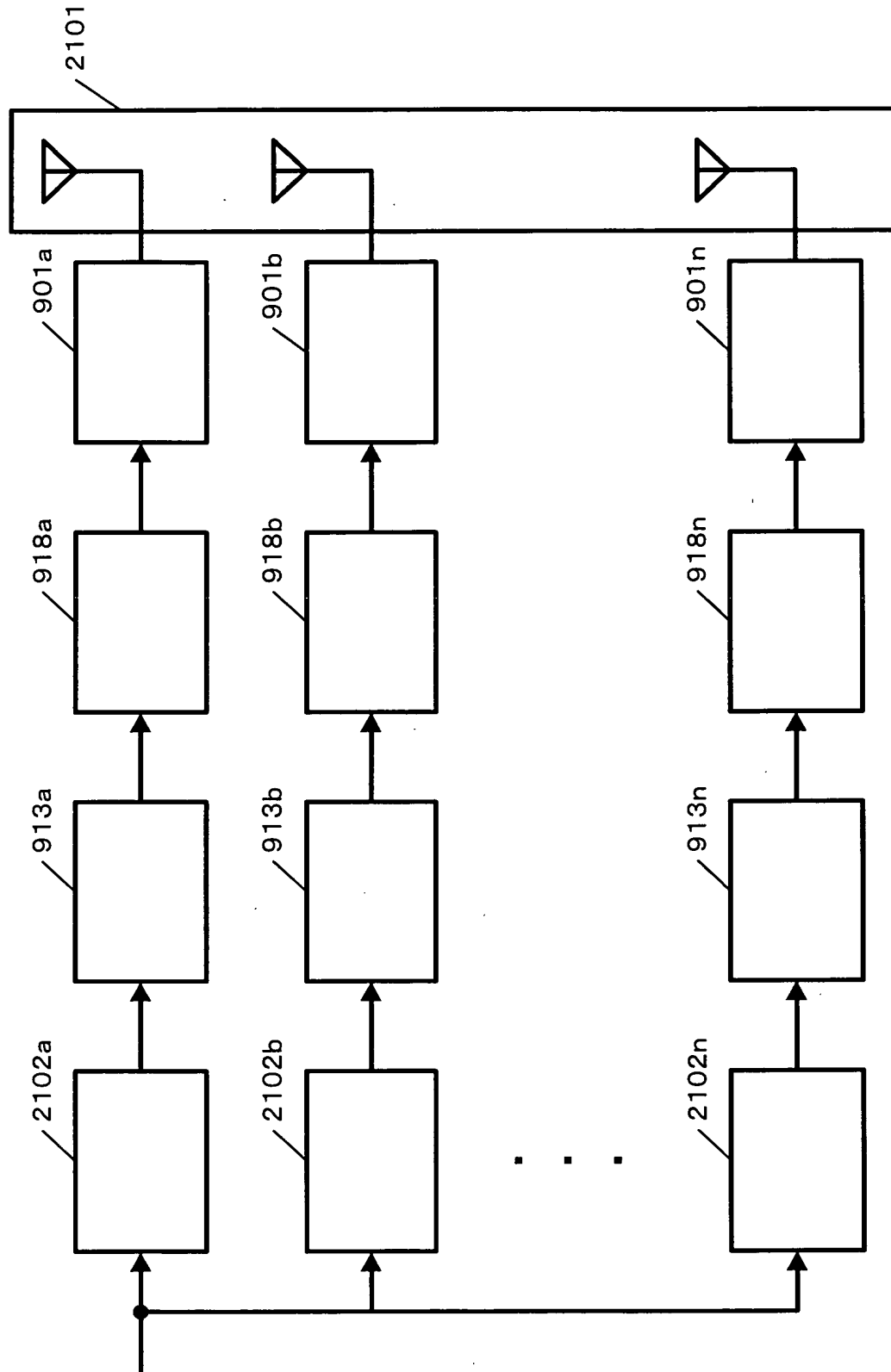


Fig. 22

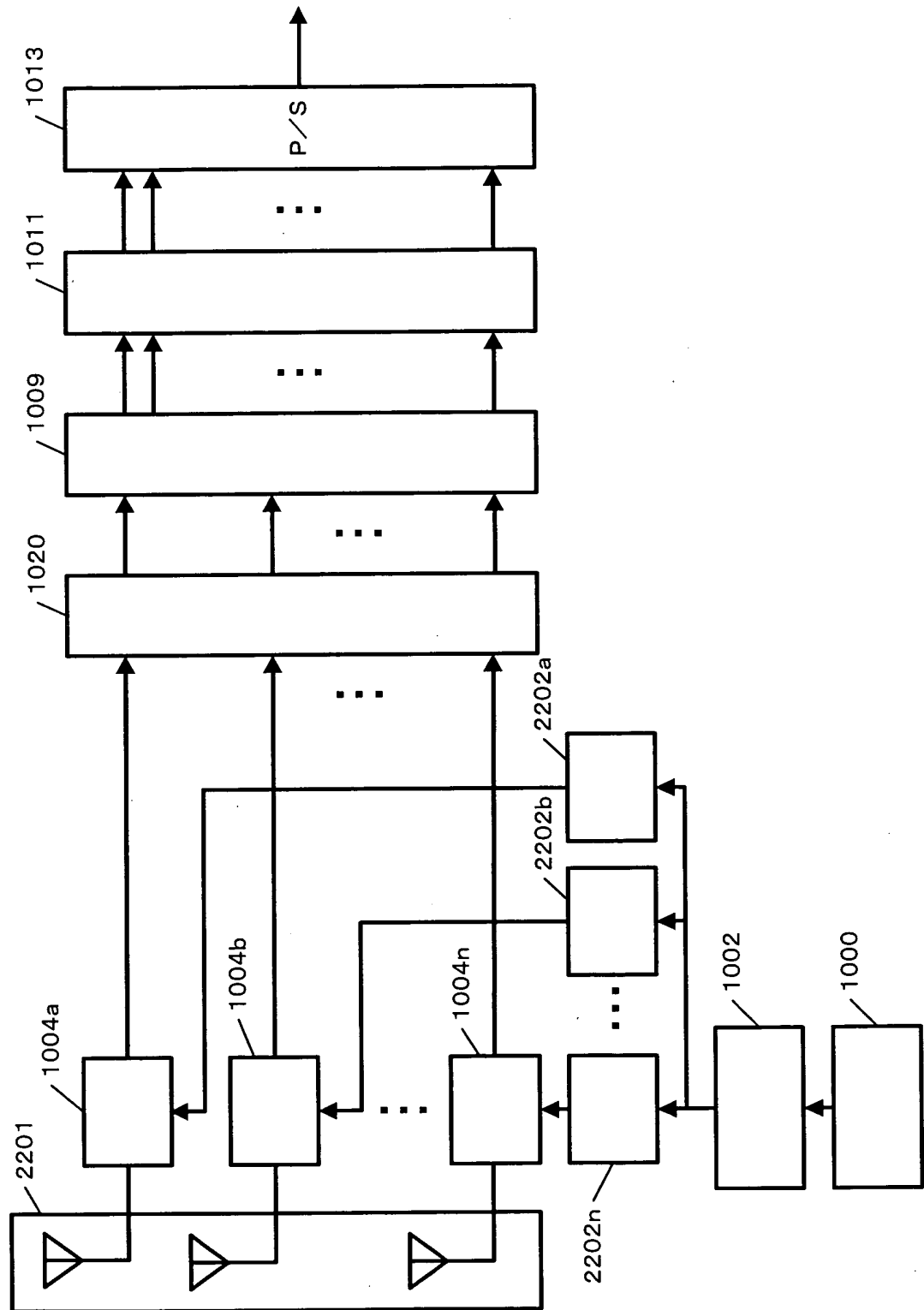


Fig. 23

